

Model: CU-175

(26 Ga Exterior)

I. GENERAL

A. Work Included

The doors will be Model CU-175 as manufactured by Midland Garage Door Mfg. Co.

B. Other Work

Related structure work, opening preparation, field painting and electrical work etc. falls into the responsibility of other trades.

II. PRODUCT

A. Sections

Sections will be roll-formed, hot dipped, galvanized G60 (minimum), a minimum yield strength of 33,000 psi, complying with ASTM A653 and ASTM A924, 26 ga. exterior and 26 ga. interior steel stucco embossed and micro-grooved surfaces. Sections will incorporate a flexible PVC thermal break to prevent heat or cold conductivity.

B. Insulation

Insulation will be form-in-place 1 3/4" urethane free of CFCs and HCFCs and will be laminated to provide strength and prevent loss of thermal efficiency over time. The insulation will have a calculated R-Value of 16.3, U-Value of .061, complying with ASTM E 84 flame-spread and smoke-developed.

C. Air Infiltration

Air infiltration complying with ASTM E 283 shall not exceed maximum rate: .08cfm@15mph and 0.08cfm@25mph.

D. Windload

Doors will be designed to meet or exceed industry standards for windloads (ANSI/DASMA 102-1996), uniform pressure (velocity pressure) of 20 lbf/sq. ft. acting inward and outward. Deflection of door in the horizontal position will not exceed 1/120 of the door width. Consult factory for unusual requirements.

E. End Stiles

End Stiles will be 16 gauge (13 gauge optional) steel and incorporate a vinyl thermal break to help prevent heat/cold conductivity between the inside and outside steel skins. Two continuous full hinge strips 1-1/4 inch wide, 20 ga., under interior sheet steel.

F. Hardware



OPTIONAL GLASS: 1/2" Thermal lites 24" x 7" or 24" x 12" sizes are available. They are designed to provide maximum usability without sacrificing security.

Hinges and fixtures will be G60 galvanized steel complying with ASTM A 36 and ASTM A 123. Full floating 10-ball-bearing rollers with hardened steel races. Roller sizes will be adequate for design requirements and limitations.

G. Track

Track is 2" or 3" depending upon door size and requirements. Bracket or angle mounted depending upon door size and requirements.

H. Spring Counterbalance

Counterbalance shall be oil tempered, helical wound torsion springs complying with ASTM A 229, mounted on a ball bearing cross header shaft engineered to comply with ANSI/DASMA 102-1996. Longer life springs of 25,000, 50,000 or 100,000 cycles may be specified. Galvanized aircraft type lifting cables with minimum safety factor of 8 to 1 and cast aluminum drums are standard.

L. Lock

Lock will be interior mounted slide lock. (Optional commercial keyed lock is available.)

J. Weatherstrip

PVC strip sections meeting section caps fitted inside every joint. Bottom weatherstrip will be U'd shape astragal fastened to the bottom of the door with an extruded aluminum holder for an effective seal at the sill.

K. Finish

Exterior finish will be 1-mil thick, two coat baked-on polyester (.8 mil) top coat

over primer (.2 mil) on glvanized coating. White interior and white exterior.

L. Operation

Operation will be by manual pull rope. Optional chain hoist and electric operators are available.

III. EXECUTION

Installation

Doors should be installed in compliance with Midland Garage Door Mfg. Co. instructions by authorized Midland Garage Door Installation Professionals.

OPTIONS

- Thermal Glazing
- High Cycle Springs
- Jamb Weatherstrip
- Electric Operators
- Chain Hoist
- Bottom Sensing Edge
- Flexible PVC Dual Flap Header Seal

